DEPARTMENT OF MATHEMATICS

The Department of Mathematics (https://www.una.edu/math/) offers a major program in mathematics leading to the Bachelor of Arts or Bachelor of Science degree, a minor program in mathematics, and provides coursework in mathematics applicable to degree and preprofessional programs in other departments and to partial satisfaction of the general education component requirement in all programs. In cooperation with the College of Education and Human Sciences, the department provides additional coursework for mathematics majors who are pursuing certification to teach secondary mathematics. Departmental faculty members serve as advisors for pre- engineering students.

Mathematics majors should obtain departmental advice on planning their sequence of mathematics courses. Students who major in mathematics are required to include computer science in their program of study. All students who major in mathematics or who major in education with mathematics as a teaching field must take an exit examination in mathematics.

The minor in mathematics must include at least 12 hours of courses numbered 200 or above.

High school graduates are strongly advised to present a minimum of three and one-half units of high school mathematics, including two in algebra, one in geometry, and one-half in advanced secondary mathematics.

Students beginning mathematics classes may choose one of three paths depending on their field of interest, previous coursework, and test scores. Students may choose the

1. calculus-bound,
2. statistics-bound, or
3. mathematical reasoning path.

Students choosing the calculus-bound path may enter at Calculus I (MA 125), if their ACT math score is 28 or higher; students may enter College Trigonometry (MA 113), if their ACT math score is 25 or higher. Students may enter College Algebra (MA 112) or Pre-Calculus Algebra and Trigonometry (MA 115), if their ACT math score is 22 or higher. Students must enter at Intermediate Algebra (MA 100) if their ACT math score is between 16 and 21 and students must enter at Intermediate Algebra Enhanced (MA 100E) if their ACT math score is below 16.

Students choosing the statistics-bound path whose ACT math score is 22 or higher, may enter at Elementary Statistics (MA 147) or Finite Mathematics (MA 110) depending on their previous course-work. Students must enter at Introduction to Finite Mathematics (MA 105) if their ACT math score is below 22. This track prepares students for statistics courses across various disciplines.

Students choosing majors with no required statistics or calculus course-work may choose the mathematical reasoning path and may satisfy UNA's general education mathematics requirement by completing Mathematical Reasoning for the Arts (MA 111)[1].

Mathematics Learning Center. The Mathematics Learning Center (MLC), part of the University Success Center, provides students with resources to become independent learners in mathematics. The center offers one-on-one peer consultations, small group help sessions, and whole-class supplemental instruction.

[1] Course may not transfer for general education credit

Majors

- BA/BS Major in Mathematics (https://catalog.una.edu/undergraduate/colleges-programs/arts-sciences/school-science-engineering-mathematics/mathematics/ba-bs/)

Minors

- Mathematics Minor (https://catalog.una.edu/undergraduate/colleges-programs/arts-sciences/school-science-engineering-mathematics/mathematics/minor-mathematics/)